THE SIPRO MID - TERM III EXAMINATIONS 2024

SUBJECT	MATHEMATICS
CLASS	PRIMARY FIVE
DURATION	2 hours 30 minutes

Name :

School :

District :

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections: A and B.
2. Section A has 20 questions (40 Marks).
3. Section B has 12 questions (60 Marks).
4. Attempt all questions in both sections. All answers to both sections A and B. must be written in the spaces provided.
5. All answers must be written in blue or black ball point pens or ink. Only diagrams and graph work must be done in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated: "FOR EXAMINER'S USE ONLY"
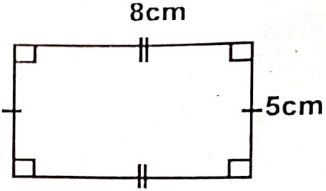
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SECTION A: 40 MARKS
Attempt all questions in this section.
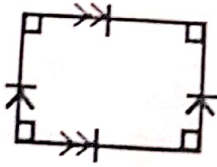*Questions 1 to 20 carry two marks each.*

1. Given that set K = {c, a, r, s}, Find **n(K)**

2. Express **0.5** to its **simplified** fraction.

3. **Solve** for p; 8p = 32.

4. In a primary five class, there are **26 boys**. Represent the number of boys in **tally** form.

5. Work out the **sum** of the first 4 **composite** numbers.

6. Find the **area** of the figure below.

8cm

5cm

7. Convert **29** to Roman numerals.

8. Using a ruler, a pencil and a protractor, **draw** an angle of **50⁰**.

9. **Work out;**
years	months
3	8
+2	5

10. Musa had coins of sh. 200. If he bought a geometry set at **sh. 2,000**; how many coins did he pay?

11.	Find the **next** number in the sequence below; 7, 10, 14, 17, 21, _____ .	12.	Namu collected **6,924** bags of coffee on Monday and **1,296** bags of coffee on Tuesday. Find the **sum** of the bags collected in two days.
13.	Given that set **X** ={all the first 4 odd numbers} and set Y={all the first 4 prime numbers}. Find n(X∩Y).	14.	Work out; $\dfrac{3}{5} \div \dfrac{2}{5}$
15.	Round off **9485** to the nearest **hundreds**.	16.	Express **180** seconds as minutes.
17.	Show the lines of **folding symmetry** in the figure below. 	18	A bag costs **sh.15,000**. What is the cost of **6 similar** bags at the same rate?
19.	**Work out;** 17 - 10 + 3.	20.	Fill in the missing **number** in the box below. ☐ x 5 = 30

SECTION B: 60 MARKS

Attempt all questions in this section.
Marks for each part of the question are indicated in the brackets.

21.a) Add; $\dfrac{3}{4} + \dfrac{1}{5}$ *(02 marks)*	b) Sandra had $\dfrac{8}{11}$ of the sugarcane and ate $\dfrac{3}{11}$. What **fraction** of the sugarcane did she remain with? *(02 marks)*

22. Using a ruler, a pencil and a pair of compasses only, construct an equilateral triangle ABC where AB= BC= AC= 5cm. *(04 marks)*

23 a) Change **400**mm to cm. *(02 marks)*	b) Work out the **area** of a rectangle whose length is **12**cm and breadth is **8**cm. *(02 marks)*

a) Juma went shopping as shown below:
Complete the table correctly (05 marks)

Quantity	Unit cost	Total cost
2kg of meat	sh. 15,000 per kg	sh. _____
_____ bars of soap	sh 5,000 each bar	sh. 20,000
$1\frac{1}{2}$ litres of cooking oil	sh. _____ per litre	sh. 15,000
3kg of rice	sh. 3500 per kg	sh. _____
Total expenditure		sh. _____

b) If he was given a change of **sh. 2,000**, How much did he have at first? (02 marks)

**25.a)** If a revolution has $360°$; how many revolutions are in $720°$? (02 marks)

b) A dow was facing South. In which direction will it face, if it turns $135°$ clockwise? (03 marks)

26.a) Find the **square** of 14. (02 marks)

b) Prime factorise **36** and give your answer in **power form**. (02 marks)

27	Given that set **R**= {all the first 5 prime numbers} and set **S**= {all the first 5 odd numbers}

a) List the elements in:
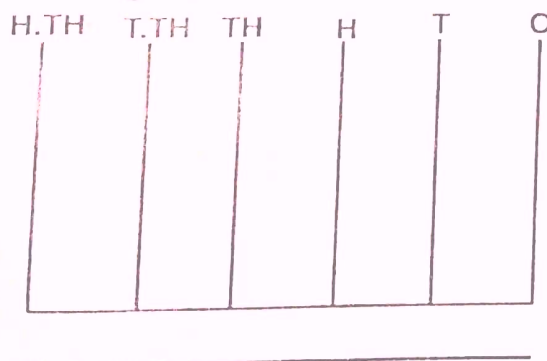
i) set R= {

} (01 mark)

ii) set S= {

} (01 mark)

b) **Represent** the two sets on the venn diagram below. (03 marks)
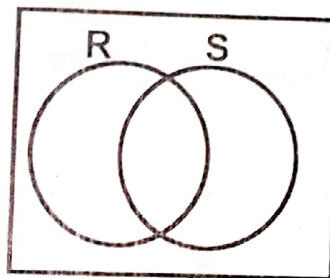
28 a) **Write** "four hundred nine thousand, five hundred fifty-five" in **figures**. (02 marks)

b) **Expand** the above figure in **value form**. (02 marks)

c) Represent the figure in "a" above on the **abacus** below. (02 marks)

H.TH   T.TH   TH   H   T   O

29.a)	Work out;	weeks	days	b)	A car moved a distance of 120km in $1\frac{1}{2}$ hours. Work out the
		3	4		average speed it was travelling.
	-	2	6		(02 marks)
			(02 marks)		

30. The variation graph below shows the performance for academic year from 2006 to 2012. Use it to answer the questions that follow.

Number of first grades
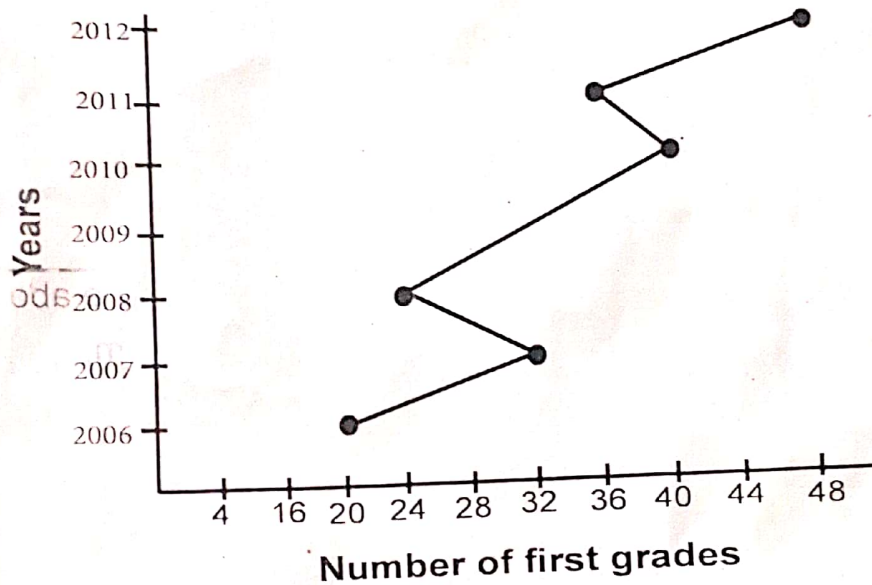
a) In which year did the school get 36 first grades? (01 mark)

b) How many first grades did the school get in 2010? (02 marks)	c) Calculate the total first grades the school got in 6 years. (02 marks)

31.a) Find the **missing** number.

i) $\square \div 8 = 6$ *(02 marks)*

ii) $\dfrac{\square}{4} = 9$ *(02 marks)*

b) Oliva had tins of beef. She sold **42** of them and remained with **18**. How many **tins** of beef did she have? *(02 marks)*

32.a) There are **125** boxes of soap. Each box contains **30** bars of soap. How **many bars** of soap are there? *(02 marks)*

b) A head teacher bought **485** textbooks. He gave them out to thirteen classes equally.

i) How many textbooks did **each** class get? *(02 marks)*

ii) How many textbooks remained? *(02 Marks)*